

GROUND-WATER LEVELS

ROCKINGHAM COUNTY

362334079421601. County number, RK-227; DENR Upper Piedmont Research Station MW-N1S (Regolith well).

LOCATION.--Lat 36°23'34.5", long 79°42'17.2", Hydrologic Unit 03010103, .6 mi north of Wentworth Street, .6 mi west of Secondary Road 1993 on North Carolina State University Research Farm. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 15 ft, diameter 4 in., cased to 5 ft, screened interval from 5 ft to 15 ft, sand filter packed from 4 ft to 15 ft.

INSTRUMENTATION.--Measured periodically with electric tape (by both DENR and USGS).

DATUM.--Land-surface datum is 680 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.85 ft above land-surface datum.

REMARKS.--Well is part of Piedmont/Mountains groundwater project.

PERIOD OF RECORD.--May 2002 to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.55 ft below land-surface datum, Aug. 12, 2003; lowest water level measured 7.91 ft below land-surface datum, Aug. 7, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, FOR PERIOD MAY TO SEPTEMBER 2002

DATE	WATER LEVEL								
MAY 06	7.17*	MAY 15	7.26*	JUN 05	7.53*	AUG 07	7.91*	SEP 05	7.79*

*DENR measurements.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL										
OCT 23	7.09*	DEC 11	6.17*	MAR 10	5.80*	APR 29	6.19*	JUL 07	6.23*	SEP 10	6.15*
NOV 20	6.20*	FEB 03	6.47*	APR 02	5.66*	JUN 02	5.88*	AUG 12	5.55*	17	6.37*

*DENR measurements.

